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10/662,656

09/15/2003

Ronald S. Barchi

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9387

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EXAMINER

TRAN, ELLEN C

ART UNIT

PAPER NUMBER

2134

MAIL DATE

DELIVERY MODE

10/22/2007

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

# Office Action Summary

Application No.

10/662,656

Applicant(s)

BARCHI ET AL.

Examiner

Ellen C. Tran

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2134

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 13 August 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 2-13 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 2-13 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

*Ellen Tran*  
ELLEN TRAN  
PATENT EXAMINER  
ART 2134

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

### ***DETAILED ACTION***

1. This action is responsive to communication: filed on 13 August 2007 with acknowledgement of an original application filed 15 September 2003.
2. Claims 2-13 are currently pending in this application. Claims 2, 7, and 9 are independent claims.

### ***Response to Arguments***

3. Applicant's arguments filed 13 August 2007 have been fully considered but they are moot due to new grounds of rejection.

### ***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. **Claims 2-13**, are rejected under 35 U.S.C. 103(a) as being unpatentable Du et al. U.S. Patent No. 6,981,152 (hereinafter '152) in view of Barriga-Caceres et al. US Patent No. 7,221,935 (hereinafter '935).

**As to independent claim 2, "A device comprising: a processor; and logic which, when applied to the processor in response to receiving a service request, results in locating a subscriber identifier corresponding to an IP address; locating subscriber information corresponding to the identifier"** is taught in '152 col. 9, lines 13-42;

**“the code indicating that a unique username and password will not be provided by the terminal device”** is shown in ‘152 col. 9, lines 24-35;

the following is not taught in ‘152: **“authenticating a subscriber for access to a requested service based upon receiving a code from a terminal device”** however ‘935 teaches providing access to a service in col. 6, lines 43-67.

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the teachings of ‘152 a method of utilizing a smartcard to access web sites that allows card’s ID to include a means where the access is to a ‘service’. One in the art would have been motivated to perform such a modification because it would allow mobile users to access services easily and improve mobile commerce (see ‘935 col. 2, lines 23 et seq.) “More specifically, the users have the advantage of the SSO service for accessing any service at any Service Provider (SP) within the reference model agreement. The Mobile Network Operators (MNO) may obtain revenues by offering SSO services, in particular authentication and authorization, to third parties as well as keeping subscribers loyalty by adding value to their respective mobile subscriptions. Eventually, the Service Providers may experience an increase of potential users, namely mobile subscribers, with a simpler and much safer authentication and authorization mechanisms minimizing the support for different such mechanisms depending on the different nature of users. In this scenario Authentication Provider and Service Provider belong to different administrative domains. At the same time, these distributed advantages favor an increase of a so-called mobile commerce (m-commerce), which can be regarded as a further object of the present invention”.

**As to dependent claim 3, “further comprising: logic which, when applied to the processor, results in communication of the code and IP address to a service provider” is disclosed in ‘152 col. 9, lines 30-40.**

**As to dependent claim 4, “further comprising: logic which, when applied to the processor, results in forming an account name from the identifier” is taught in ‘152 col. 9, lines 30-40.**

**As to dependent claim 5, “wherein the identifier is an MSISDN” however ‘935 teaches the identifier can be an MSISDN in col. 14, lines 39-64.**

**As to dependent claim 6, “further comprising: logic which, when applied to the processor, results in querying a RADIUS server to locate the subscriber identifier corresponding to the IP address” however ‘935 teaches the use of a RADIUS server in col. 14, lines 39-64.**

**As to independent claim 7, “A terminal device comprising: a processor; and logic which, when applied to the processor, results in communicating to a network, in lieu of a user name and password, a code to cause the network to authenticate” is taught in ‘152 col. 9, lines 13-42;**

**“and upon a unique identifier provided by the terminal device to the network during an earlier attach process” is shown in ‘153 col. 4, lines 1-37;**  
**the following is not taught in ‘153: “and authorize access to a service the authentication and authorization based upon an IP address assigned to the terminal device by the network”**  
**however ‘935 teaches providing access to a service in col. 6, lines 43-67.**

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the teachings of '152 a method of utilizing a smartcard to access web sites that allows card's ID to include a means where the access is to a 'service'. One in the art would have been motivated to perform such a modification because it would allow mobile users to access services easily and improve mobile commerce (see '935 col. 2, lines 23 et seq.) "More specifically, the users have the advantage of the SSO service for accessing any service at any Service Provider (SP) within the reference model agreement. The Mobile Network Operators (MNO) may obtain revenues by offering SSO services, in particular authentication and authorization, to third parties as well as keeping subscribers loyalty by adding value to their respective mobile subscriptions. Eventually, the Service Providers may experience an increase of potential users, namely mobile subscribers, with a simpler and much safer authentication and authorization mechanisms minimizing the support for different such mechanisms depending on the different nature of users. In this scenario Authentication Provider and Service Provider belong to different administrative domains. At the same time, these distributed advantages favor an increase of a so-called mobile commerce (m-commerce), which can be regarded as a further object of the present invention".

**As to dependent claim 8, "further comprising: client logic associated with a service provider, which, when applied to the processor to access the service provider, results in communicating the code and IP address to the network in lieu of communicating a user name and password"** is shown in '152 col. 9, lines 24-35.

**As to independent claim 9, "A method comprising: receiving a code from a terminal device that indicates that a user name and password"** is taught in '153 col. 4, lines 1-37;

**“locating a subscriber identifier corresponding to an IP address of the terminal device; locating subscriber information corresponding to the identifier”** is shown in ‘152 col. 9, lines 13-42;

the following is not taught in ‘152: **“and determining whether a subscriber has access to a requested service”** however ‘935 teaches providing access to a service in col. 6, lines 43-67.

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the teachings of ‘152 a method of utilizing a smartcard to access web sites that allows card’s ID to include a means where the access is to a ‘service’. One in the art would have been motivated to perform such a modification because it would allow mobile users to access services easily and improve mobile commerce (see ‘935 col. 2, lines 23 et seq.) “More specifically, the users have the advantage of the SSO service for accessing any service at any Service Provider (SP) within the reference model agreement. The Mobile Network Operators (MNO) may obtain revenues by offering SSO services, in particular authentication and authorization, to third parties as well as keeping subscribers loyalty by adding value to their respective mobile subscriptions. Eventually, the Service Providers may experience an increase of potential users, namely mobile subscribers, with a simpler and much safer authentication and authorization mechanisms minimizing the support for different such mechanisms depending on the different nature of users. In this scenario Authentication Provider and Service Provider belong to different administrative domains. At the same time, these distributed advantages favor an increase of a so-called mobile commerce (m-commerce), which can be regarded as a further object of the present invention”.

**As to dependent claim 10, “further comprising: communicating the code and IP address to at least one service provider to obtain authorization for the services of the at**

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**least one service provider”** however ‘935 teaches providing access to a service in col. 6, lines 43-67.

As to dependent claim 11, **“further comprising: forming from the identifier an account name for the subscriber”** is taught in ‘152 col. 9, lines 30-40.

As to dependent claim 12, **“wherein the identifier is an MSISDN”** however ‘935 teaches the identifier can be an MSISDN in col. 14, lines 39-64.

As to dependent claim 13, **“further comprising: querying a RADIUS server to locate the MSISDN corresponding to the IP address”** however ‘935 teaches the use of a RADIUS server in col. 14, lines 39-64.

### ***Conclusion***

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ellen C Tran whose telephone number is (571) 272-3842. The examiner can normally be reached from 7:30 am to 4:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner’s supervisor, Kambiz Zand can be reached on (571) 272-3811. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR



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system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Ellen Tran  
Patent Examiner  
Technology Center 2134  
16 October 2007